INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/019480

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ F16L37/09, F02M37/00				
According to In	ternational Patent Classification (IPC) or to both nation	nal classification and IPC		
B. FIELDS SE	ARCHED			
	nentation searched (classification system followed by 17 F16L37/00-37/62, F02M37/00	classification symbols)		
Jitsuyo Kokai J		itsuyo Shinan Toroku Koho Toroku Jitsuyo Shinan Koho	1996-2005 1994-2005	
C DOCUMEN	VTS CONSIDERED TO BE RELEVANT			
			I	
Category*	Citation of document, with indication, where a		Relevant to claim No.	
Y	JP 11-201355 A (Tokai Rubber 30 July, 1999 (30.07.99), Full text & US 6129393 A	r Industries, Ltd.),	1~5	
Y	JP 6-213383 A (Hitachi Metal 02 August, 1994 (02.08.94), Full text; Fig. 1 (Family: none)	ls, Ltd.),	1-5	
¥	JP 10-30765 A (Tokai Rubber 03 February, 1998 (03.02.98) Par Nos. [0002], [0013], [00 (Family: none)	,	3,5	
▼ Further do	currents are listed in the continuation of Box C.	See patent family annex.		
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed		Tater document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 26 January, 2005 (26.01.05)		Date of mailing of the international search report 15 February, 2005 (15.02.05)		
	; address of the ISA/ e Patent Office	Authorized officer		
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		101/01/	2004/019480
C (Continuation)	DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant		Relevant to claim No.
Y	JP 58-217892 A (Kinugawa Rubber Ind. Co. Ltd.), 17 December, 1983 (17.12.83), Full text; Fig. 1 (Family: none)	,	4

Form PCT/ISA/210 (continuation of second sheet) (January 2004)